

FIG. 1

202510180US1

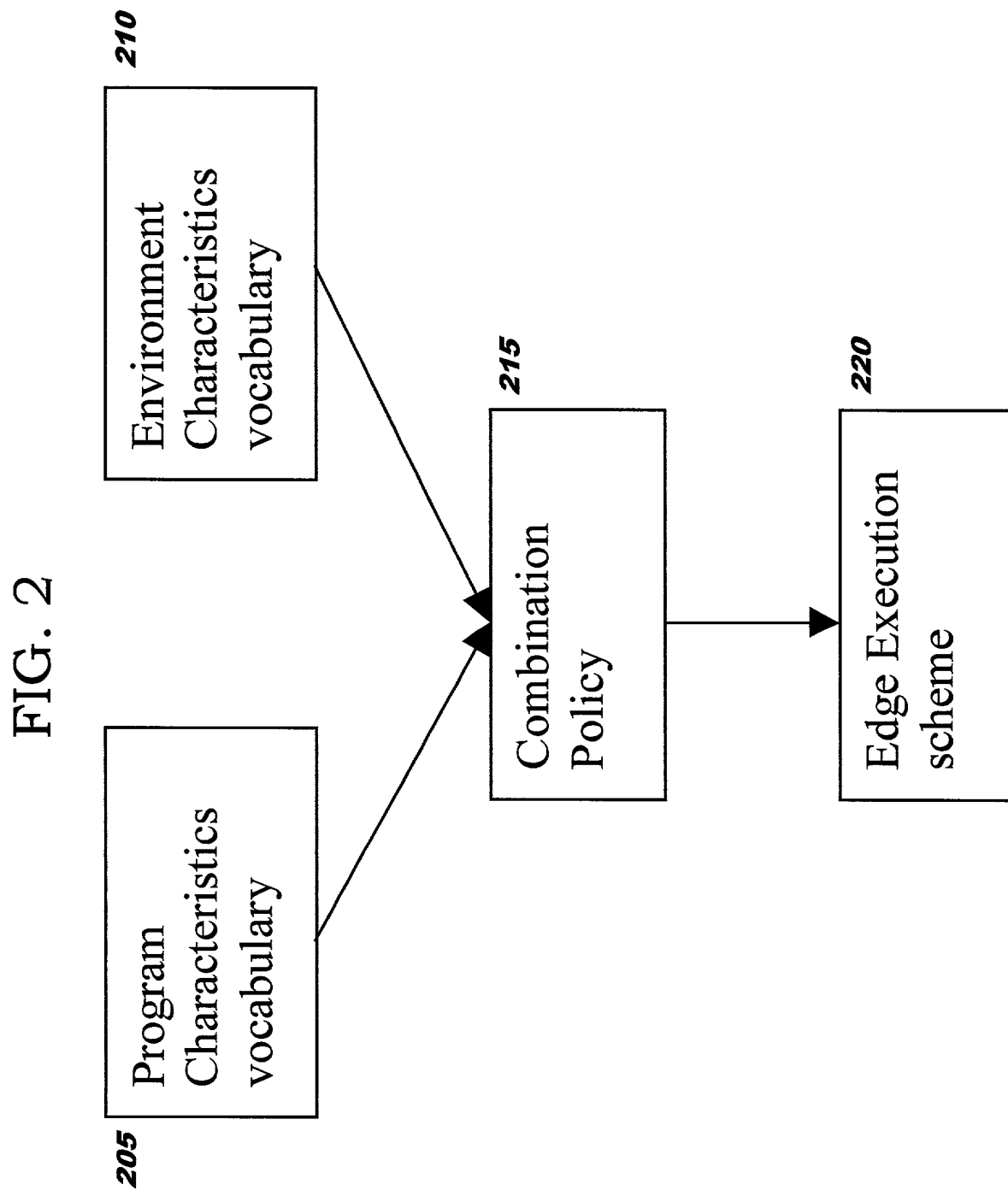


FIG. 3A

<b>301</b>	Frequent database modifications using JDBC	<b>302</b>	0
<b>303</b>	Frequent directory modifications using JNDI	<b>304</b>	0
<b>305</b>	Read only access to database with JDBC		0
<b>307</b>	Read only access to directory with JNDI		1
<b>309</b>	No data access		0
<b>311</b>	Local write only		0
<b>313</b>	EJB use		0
<b>315</b>	Code distribution restricted due to trade secret algorithm		0
<b>317</b>	Accesses sensitive data (e.g. private keys) so needs secure environment		0
<b>319</b>	Code distribution restricted due to legal restrictions		0

FIG. 3B

$$V_P = (0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0)$$

FIG. 4A

<b>401</b>	EJB support at edge	0	<b>402</b>
<b>403</b>	Average relative link speed between edges and backend	0.8	<b>404</b>
<b>405</b>	Edge Server meets security requirements	0.2	
<b>407</b>	Edges licensed for all legally restricted code	0	

$$V_E = \begin{pmatrix} 0 \\ .8 \\ .2 \\ 0 \end{pmatrix}$$

FIG. 4B

FIG. 5

501

$M_{PE} =$

504

503	502			505
	EJB	Spd.	Li c	
JDBC	0	1	0	0
JNDI	0	1	0	0
JDBC R/O	0	9	0	0
JNDI R/O	0	1	0	0
No Data	0	1	0	0
Local Write	0	1	0	0
EJB usage	1	5	8	0
Trade Secret	0	0	1	0
Security	0	0	1	0
Legal	0	0	2	1

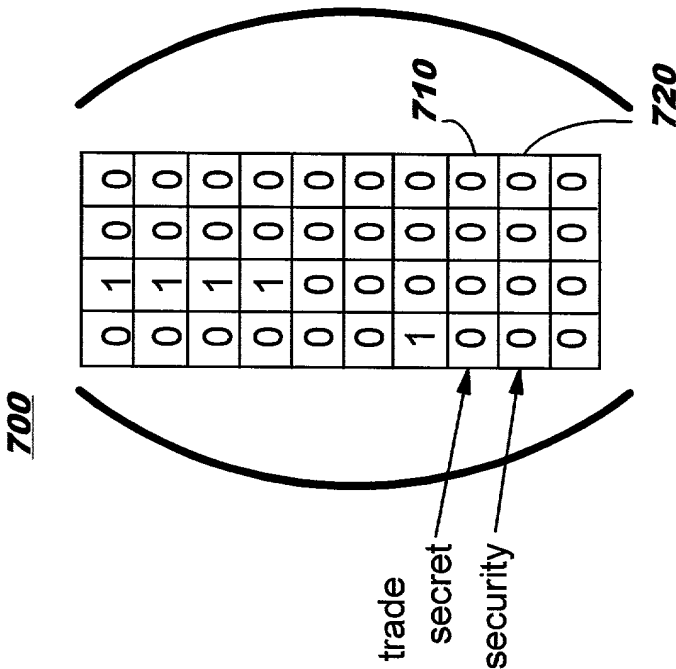
506

Variable	Mean	SD	Min	Max
Age	34.5	10.2	22	55
Gender	0.5	0.5	0	1
Marital status	0.6	0.5	0	1
Education	12.5	1.5	10	15
Income	1500	500	1000	2500
Health status	0.8	0.2	0	1
Stress level	3.5	1.5	1	5
Life satisfaction	4.2	1.0	3	5
Work-life balance	3.8	1.2	2	5
Family support	4.5	1.0	3	5
Community support	4.0	1.0	3	5
Healthcare access	4.3	1.0	3	5
Quality of life	4.1	1.0	3	5
Overall well-being	4.0	1.0	3	5

$$\begin{pmatrix} 0 & 0 & 0 & 1 \end{pmatrix}$$

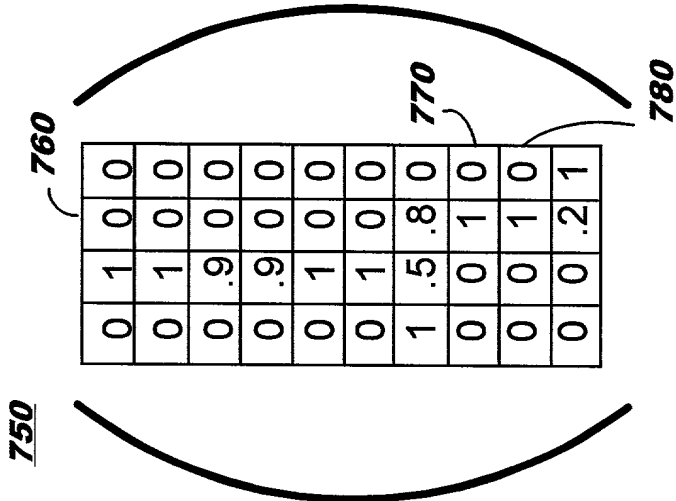
$$=.72$$

FIG. 7A



matrix for EdgeServer as surrogate  
Edgification weight: 0.8

FIG. 7B



matrix for EdgeServer when  
geographically distributed